

Date: Thu, 8 Apr 93 23:30:50 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #438
To: Info-Hams

Info-Hams Digest Thu, 8 Apr 93 Volume 93 : Issue 438

Today's Topics:

 "Message From Mir / R2MIR "
 Best source for 2 metre radios.
 cancel <pschleck.734316550@cwis>
 Daily Solar Geophysical Data Broadcast for 08 April
 Old Hallicrafters...
 QSL help!
 Radio Controller for Hams, T-Hunts, DTMF decoding, etc.
 rigs for 70 cm band (3 msgs)
 Sourdough and Ham (Was ARRL living in the past? (was Re: mot
 STS-56 Mission Sighting & Keps
 Two-Line Orbital Element Set: Space Shuttle
 Want Jammer in Slammer (2 msgs)
 Worked Him???? (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 9 Apr 93 02:15:25 GMT
From: netcomsv!wet!randyk@decwrl.dec.com
Subject: "Message From Mir / R2MIR "
To: info-hams@ucsd.edu

 Important Message from Space Station Mir

 To: All Amateur Radio Operators
 Re: Operations of The R2MIR-1 P.M.S.

W5RRR ne mozhet prochat' vashi `messag`i , iz-za bolshogo
kolichstva soobschenij, prislannyh na W5RRR drugimi
stancijami.
Pozhalujsta, kogda zagruzites' - sotrite vse chuzhie messagi,
krome teh, chto ot vas. Tolko R2MIR mozhet posylat' messages na
W5RRR. Spasbo.

----- Translation: Via Dave N6JLH -----

W5RRR cannot read mail, because there are too many messages to W5RRR from
other stations.
Please delete all messages to W5RRR, except messages from you to (R2MIR).
Only R2MIR should be sending messages to W5RRR.

Thankyou! Alex R2MIR

It is also important to note that the crew of the Space Station
Mir has requested on several occasions that any and all messages sent to
them on the Mir Station's P.M.S. (Personal Message Service) R2MIR-1, be
sent only in Russian. Please be patient with them, and they will reply
when, and if their schedule permits.

All other messages sent to R2MIR, not in Russian, will be
deleted from the P.M.S. as they have been in the past.

Randy Kielich N6WDV
Internet: randyk@wet.com
Packet: W6PW.#NOCAL.CA.USA.NA

Date: 9 Apr 93 04:55:55 GMT
From: dziuxsolim.rutgers.edu!dimacs.rutgers.edu!srm@uunet.uu.net
Subject: Best source for 2 metre radios.
To: info-hams@ucsd.edu

In article <16BA0DE3E.WALLY@UKCC.UKY.EDU> WALLY@UKCC.UKY.EDU (Walter R Francis)
writes:

> I have looked through the newgroup and did not find anything partaining
> to this, so...
>

> I am thinking about getting a 2 metre radio from Rat Shack.. \$260.. I
> have heard that Marymac would most likely sell this radio cheaper.
> However, I do not have their number.
>
> Also.. Is there a better deal I can get than this radio? I am new to
> amateur radio so excuse my ignorance.. :)
>
>

I was at a HamFest a few weeks ago and saw someone selling the RS 2mtr
xcvr for \$185. You may want to wait till the next HamFest in your
area. You could even find one used for less. Good luck..

srm
--

Scott R. Myers

Snail: 8544 Temple Road Phone:215.247.2551
Philadelphia, PA 19150

Voice Mail:215.440.6066

Arpa: srm@dimacs.rutgers.edu Uucp: ...!dimacs!srm

"Every time I think I'm wrong I realize that I was mistaken!"

Date: Fri, 09 Apr 1993 03:09:39
From: his!UUCP@uunet.uu.net
Subject: cancel <pschleck.734316550@cwis>
To: info-hams@ucsd.edu

Organization: University of Nebraska at Omaha

Cancelled manually.

Date: 9 Apr 93 05:10:06 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 08 April
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 098, 04/08/93
10.7 FLUX=143.1 90-AVG=133 SSN=145 BKI=1344 4332 BAI=017
BGND-XRAY=B4.8 FLU1=1.9E+06 FLU10=3.3E+04 PKI=2345 3333 PAI=019

BOU-DEV=008,021,050,061,044,039,031,018 DEV-AVG=034 NT SWF=00:000
XRAY-MAX= C9.2 @ 2041UT XRAY-MIN= B4.3 @ 0043UT XRAY-AVG= C1.8
NEUTN-MAX= +004% @ 0930UT NEUTN-MIN= -002% @ 1120UT NEUTN-AVG= +0.6%
PCA-MAX= +0.2DB @ 2055UT PCA-MIN= -0.2DB @ 2315UT PCA-AVG= +0.0DB
BOUTF-MAX=55409NT @ 1330UT BOUTF-MIN=55352NT @ 1750UT BOUTF-AVG=55394NT
GOES7-MAX=P:+109NT@ 1748UT GOES7-MIN=N:-006NT@ 0846UT G7-AVG=+073,+045,+009
GOES6-MAX=P:+136NT@ 1331UT GOES6-MIN=N:-124NT@ 0523UT G6-AVG=+087,-012,-059
FLUXFCST=STD:140,140,140;SESC:140,140,140 BAI/PAI-FCST=015,025,035/015,025,030
KFCST=2225 4222 3335 5333 27DAY-AP=020,024 27DAY-KP=5333 3343 4533 3553
WARNINGS=*SWF
ALERTS=**SWEEP:II=2@0151UTC;**SWEEP:IV=2@0230UTC;**SWEEP:II=2@2052-2132UTC
!!END-DATA!!

NOTE: The Effective Sunspot Number for 07 APR 93 was 62.3.
The Full Kp Indices for 07 APR 93 are: 2+ 3+ 3+ 2o 3- 3- 3- 3+

Date: Thu, 08 Apr 1993 20:41:22
From: his!UUCP@uunet.uu.net
Subject: Old Hallicrafters...
To: info-hams@ucsd.edu

Organization: CompuTrac Inc., Richardson TX

I just recieved in the mail a transmitter/receiver matched pair of
old Hallicrafters. Unfortunately the manuals with them do not have any kind
of date. Does anybody know how old the old HT-46 and SX146
transmitter/receivers are?

Got a lot of restore work ahead of me on the reciever.. time to clean out the
rust. Gonna have it on the air eventually!

Thanks!
Mitchael
KA5S0I
(tech+ upgrading to general and beyond!)
//

Date: Fri, 09 Apr 1993 00:25:35
From: his!UUCP@uunet.uu.net
Subject: QSL help!
To: info-hams@ucsd.edu

Organization: Division of Academic Computing, Northeastern University, Boston,
MA. 02115 USA

Can anyone help me with an updated QTH for

OE3DSA (via OE1DSA)

I worked him in '92 CQWW CW, QSLed direct,
and it was returned marked 'moved'. However,
the '93 DX book shows him at same address.

I can wait for the 93 supplement I guess, but
does anyone have a QTH? I need OE on 80 and 10.

73 Tnx,

Len

```
-----  
Dr. Leonard Kay, KB2R          | "But we are not dealing with the  
Electrical and Computer Engineering | normal world. We are chasing DX."  
Northeastern University, Boston | -- W9KNI, 'The Complete DXer'  
NU ARC: W1KBN 145.31(-)        |  
Packet: KB2R@K1EA              | #include <disclaimer.h>  
-----
```

```
-----  
Date: 9 Apr 93 00:15:29 GMT  
From: news.service.uci.edu!orion.oac.uci.edu!eahu099@network.UCSD.EDU  
Subject: Radio Controller for Hams, T-Hunts, DTMF decoding, etc.  
To: info-hams@ucsd.edu  
-----
```

Marty, N6ZAV and I have recently developed a multi-function radio controller kit for amateurs, RaCon 6805. The device is based on the Motorola 6805C8 micro-controller chip. Along with the CPU, it has a MAX232 serial interface for communicating with PC's, a DTMF decoder for remote controlling, and a couple other IC's. RaCon also has a TNC like interface for interfacing to the microphone and speaker ports of connected transceiver, as well as PTT management. We also have 16 binary I/O lines going from the chip to a generic data port for future expansion. Several functions are burned onto the 6805 chip, which are jumper, serial, or DTMF selectable.

Our first goal was to build a fox box controller. This would allow a T-hunter to hide this box, along with a radio somewhere remote (in a tree or a box), and remotely control transmissions with

a second radio. RaCon has DTMF programmable callsign, tone sequences, and duty cycles. The callsign of the owner of the kit is burned into the chip. It also has the ability to audio repeat the incoming audio back out to the transmitter, so you can "talk through" the hidden T. It also has security features to prevent unauthorized controlling.

The next function we built was a DTMF decoder, which took incoming audio from the radio (or even a scanner), and sent an ASCII representation out the serial port to a computer. Fun and useful. Then, we made a CW (actually Modulated CW) Keyer which took incoming serial characters, and sent corresponding Morse code characters out the radio port. RaCon handles the PTT line, so you just type. It can be used to send code practice, or engage in a CW QSO with a friend. Next, we made a DTMF Controller, which took DTMF commands to control the state of the 8 binary output lines on the CPU. These lines could be connected to relays to allow remote controlling of external devices.

The final function we have created, so far, is an Auto Pager. Most of my local ham friends have pagers, and we frequently page each other to frequencies, rather than phone numbers. The Auto Pager listens to incoming DTMF commands and then, with a modem connected through a null modem cable on the serial port, dials a pager company and sends a message. For example, if I dial "#2125" on the frequency the Auto Pager is set up to monitor (could even be a repeater), RaCon will dial Marty's pager, and send a message that I want to meet him on "146.895".

What all this leads to is this: Has anyone ever done anything like this before? Can you think of anymore functionality we can add to our existing functions? Can you think of any more functions we can add that would use the hardware we have on the board (DTMF, serial, etc)? Can you think of any new hardware modules we could add to the data port to improve functionality (we have been thinking of a DTMF encoder, a phone interface, and an antenna switch)? Do you have any comments at all?

The kits cost \$79, and come with everything but a chassis, and cables. If you are interested in one, want more info, or have feedback, e-mail me. Thanks & 73.

Byon Garrabrant - KD6BCH - eahu099@orion.oac.uci.edu (posted by a friend)

Date: 9 Apr 1993 02:00:13 GMT

From: swrinde!zaphod.mps.ohio-state.edu!howland.reston.ans.net!agate!
uclink.berkeley.edu!acollins@network.UCSD.EDU
Subject: rigs for 70 cm band
To: info-hams@ucsd.edu

In article <1993Apr5.172831.18824@hemlock.cray.com> dadams@cray.com writes:

>

>While thumbing through my latest AES catalog, I notice that several of
>the rigs advertized which operate on 70 cm offer the capability
>to transmit on 440-450 MHz. (Example Alinco DJ-580T handheld,
>DR-599T 2m/70cm mobile. Or on 438-450. (Example Kenwood
>TH-78A, TH-48A, TH-46AT.)

>

>But I notice that the 70 cm band goes from 420-450 MHz. Why don't
>these comercial rigs cover the band? Does most of 70 cm go unused?
>Why?

>

I don't know about any other product lines, but Yaesu's dual-band HTs
(FT-470, which I own, and FT-530, which I occasionally wish I owned :)
cover 430-450 Tx/Rx on the UHF side (plus expanded receive, at least
my 470 receives ~420-470 or so).

As far as I understand, 440-450 is where most all FM activity lives,
which is why the rigs you mentioned (which are all FM-only units if
I'm not mistaken) cover this band. I believe that most 430-440 activity
is weak-signal (i.e. SSB and CW, or is it CW first and then SSB :), and
most multimode rigs cover this chunk of the band. What I do not know
about is 420-430, so I am left to speculate that it is essentially
experimental in use, because I've never heard an actual FM signal
there (and I have no other receiver to cover that band).

One reason that I think I may soon be happy to have the Yaesu is a
new satelite which I believe was called ARSENE, and was to use
FM AFSK (i.e. normal terrestrial) packet, with a 435ish uplink
and a 2-meter downlink :) Now all I need is a 440 amp.

Hope it helps, hope somebody else can tell us what, if anything
happens on 420-430, and hope somebody knows anything about that
satelite (poor college student trying to play with satelites ;)

...

Andy Collins, KC6YFY
acollins@uclink.berkeley.edu

Date: Fri, 9 Apr 1993 03:54:04 GMT

From: usc!howland.reston.ans.net!bogus.sura.net!darwin.sura.net!rouge!
jab0684@network.UCSD.EDU
Subject: rigs for 70 cm band
To: info-hams@ucsd.edu

Well, David, the Alinco DJ580-T does indeed transmit from 420-450(and beyond) with the out of band transmit mod(cut blue, and reset cpu). I'm fairly certain the dr599 will do so as well(dunno the mod on that one.)
As for the reason why these radios are sold only tx from 440-450: I can offer 2.

A radio must be fcc approved and meet certain standards on for the freqs. on which it can transmit out of box. It might be more costly to meet these requirements over a greater freq range.(note the frequent disclaimer of radio companies "Specifications guaranteed only (list a certain range)."

Reson # 2 is that the radios you mentioned above are mostly either handhelds or mobiles, and are assumed to be used for either repeater,simplex, or packet communications. These services are covered from 440-450 in the AARL 70cm band plan, if memory serves.

As usual any and all corrections by the more knowledgeable are invited :)

73 DE kb5udf

Happy Easter!

Date: Mon, 05 Apr 1993 19:28:30
From: his!UUCP@uunet.uu.net
Subject: rigs for 70 cm band
To: info-hams@ucsd.edu

Organization: Cray Research, Inc.

While thumbing through my latest AES catalog, I notice that several of the rigs advertized which operate on 70 cm offer the capability to transmit on 440-450 MHz. (Example Alinco DJ-580T handheld, DR-599T 2m/70cm mobile. Or on 438-450. (Example Kenwood TH-78A, TH-48A, TH-46AT.)

But I notice that the 70 cm band goes from 420-450 MHz. Why don't these comercial rigs cover the band? Does most of 70 cm go unused? Why?

On other rigs advertised, I could not find any information about what sub portions of the band were covered.

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

Old Sourdoughs never die. They just ferment away.

Date: Mon, 05 Apr 1993 13:09:16
From: his!UUCP@uunet.uu.net
Subject: Sourdough and Ham (Was ARRL living in the past? (was Re: mot
To: info-hams@ucsd.edu

Organization: Cray Research, Inc.

In article 204@netcom.com, jfh@netcom.com (Jack Hamilton) writes:

|
|But why do I think that the ARRL's attitude toward women is somewhat
|condescending? Perhaps it's a result of reading Connie Dunn's column, "YL
|News", in QST. From April's column:

|
| "I talk on YL nets basically because I can meet a lot of YLs.
| And it's not trivial information that I baked a pie or made a
| quilt. But telling it to an OM is like an OM telling me he
| just rebuilt a motor: uninteresting," she exclaims!

|She any stereotypes there?

Say Bob,

Maybe we will have to get that sourdough net going. ;^)

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

Old Sourdoughs never die. They just ferment away.

Date: Thu, 08 Apr 1993 13:39:40
From: his!UUCP@uunet.uu.net
Subject: STS-56 Mission Sighting & Keps
To: info-hams@ucsd.edu

Organization: Cray Research, Inc.

In article AA17582@east.gsfc.nasa.gov, abfhh@stdvax.DNET.NASA.GOV () writes:
|The STS-56 ATLAS-2 mission will carry out atmospheric investigations

|of the Earth's Ozone layer during the planned 9 day flight. Also,
|on-board as a seconadry payload is the Shuttle Amateur Radio
|Experiment (SAREX). SAREX allows school groups and amateur radio
|operators to talk to the Shuttle Crew while they are on orbit.
|

So what must a school group or amateur radio operator do in order to talk
to the shuttle crew?

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

Old Sourdoughs never die. They just ferment away.

Date: Fri, 09 Apr 1993 00:00:30
From: his!UUCP@uunet.uu.net
Subject: Two-Line Orbital Element Set: Space Shuttle
To: info-hams@ucsd.edu

Organization: Air Force Institute of Technology

The most current orbital elements from the NORAD two-line element sets are
carried on the Celestial BBS, (513) 427-0674, and are updated daily (when
possible). Documentation and tracking software are also available on this
system. As a service to the satellite user community, the most current
elements for the current shuttle mission are provided below. The Celestial
BBS may be accessed 24 hours/day at 300, 1200, 2400, 4800, or 9600 bps using
8 data bits, 1 stop bit, no parity.

Element sets (also updated daily), shuttle elements, and some documentation
and software are also available via anonymous ftp from archive.afit.af.mil
(129.92.1.66) in the directory pub/space.

STS 56

1 22621U 93 23 A 93 98.33263830 .00057138 00000-0 16539-3 0 34
2 22621 57.0030 178.4496 0006414 267.4548 344.7850 15.92517503 10

--

Dr TS Kelso
tkelso@afit.af.mil

Assistant Professor of Space Operations
Air Force Institute of Technology

Date: Fri, 9 Apr 1993 01:02:16 GMT
From: sdd.hp.com!col.hp.com!news.dtc.hp.com!srigenprp!alanb@network.UCSD.EDU
Subject: Want Jammer in Slammer
To: info-hams@ucsd.edu

Don Hay (donh@hpcuhe.cup.hp.com) wrote:

: A 2 meter jammer has driven me to post! A local repeater here in the bay
: area has been putting up with a jamming station for quite some time now!
: We all have been practicing the obvious, ignore him, he will eventually
: go away. Lately though, this station has interfered with "Emergency"
: phone patch traffic on numerous occasions. This is where I draw the line!

: Since the amateur community is "self policing" these days, what is one to
: do? Round up all the direction finding equipment in the area and find this
: individual? Then what? Somewhat like the dog that chases the car, what to
: do once you've caught it! Should you get your friends together and have a
: blanket party?

Contact your ARRL Section Manager. The Amateur Auxiliary (I think it's
called) is now working closely with the FCC on these problems. If your
SM doesn't know about it, contact the Pacific Div Director. Addresses
and phone numbers are in every issue of QST.

AL N1AL

Date: Thu, 08 Apr 1993 20:32:53
From: his!UUCP@uunet.uu.net
Subject: Want Jammer in Slammer
To: info-hams@ucsd.edu

Organization: Hewlett Packard, Cupertino

A 2 meter jammer has driven me to post! A local repeater here in the bay
area has been putting up with a jamming station for quite some time now!
We all have been practicing the obvious, ignore him, he will eventually
go away. Lately though, this station has interfered with "Emergency"
phone patch traffic on numerous occasions. This is where I draw the line!

Since the amateur community is "self policing" these days, what is one to
do? Round up all the direction finding equipment in the area and find this
individual? Then what? Somewhat like the dog that chases the car, what to
do once you've caught it! Should you get your friends together and have a
blanket party?

What can a person(s) do in this case. Anyone out there have this same
problem? What do you suggest to put an end to this guy?

Date: Thu, 8 Apr 1993 21:30:19 GMT
From: usc!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!att-out!

cbnews1!dara@network.UCSD.EDU
Subject: Worked Him????
To: info-hams@ucsd.edu

In article <1993Apr5.211710.20894@nnnpd2.cxo.dec.com>, yanagi@32799.enet.dec.com (32799::yanagi) writes:

> > > Wow. I've heard disagreement on what constitutes a legit contact
> > > before but this is the first time I've heard someone claim
> > > that you don't even have to copy the other station's callsign.
> > > Sorry, dude.

> >

>

> So, what about all the DX that's packet-spotted? You know the call sign before
> you even hear the station - So, as a general question, are you sure that you
> could copy his call in all cases without this prior knowledge?

>

> Just a thought...

>

> John N2KJM

> yanagi@njo.dec.com

Good point John. Maybe I should go home and chuck all the qsl cards from contacts made after seeing packet spots...after all it's not good sportsmanship to shoot fish in a barrel, and I might have been on the wrong band and never made those contacts.

Nice to see you again, John.

Shel WA2UBK

Date: Thu, 08 Apr 1993 23:30:19
From: his!UUCP@uunet.uu.net
Subject: Worked Him????
To: info-hams@ucsd.edu

Organization: AT&T Bell Laboratories

In article <1993Apr5.211710.20894@nnnpd2.cxo.dec.com>, yanagi@32799.enet.dec.com (32799::yanagi) writes:

> > > Wow. I've heard disagreement on what constitutes a legit contact
> > > before but this is the first time I've heard someone claim
> > > that you don't even have to copy the other station's callsign.
> > > Sorry, dude.

> >

>

> So, what about all the DX that's packet-spotted? You know the call sign before

> you even hear the station - So, as a general question, are you sure that

you
> could copy his call in all cases without this prior knowledge?
>
> Just a thought...
>
> John N2KJM
> yanagi@njo.dec.com

Good point John. Maybe I should go home and chuck all the qsl cards from contacts made after seeing packet spots...after all it's not good sportsmanship to shoot fish in a barrel, and I might have been on the wrong band and never made those contacts.
Nice to see you again, John.
Shel WA2UBK

Date: Fri, 9 Apr 1993 01:13:55 GMT
From: usc!wupost!crcnis1.unl.edu!news.unomaha.edu!cwis!pschleck@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Apr2.075314.1349@loretta.la.ca.us>,
<84ty0394cf5p00@amdahl.uts.amdahl.com>, <1993Apr7.173847.20776@hemlock.cray.com>
Subject : Re: RFD: rec.radio.amateur reorganization [discussion summary 3/31]

andyw@aspen32.cray.com (Andy Warner) writes:

>FWIW - I also think .info was a total waste of time, Paul Schleck (apologies
>if I mis-spelt your name) explained the rationale to me ("kill file hack").
>I still can't hack my kill file to make it work, and I suspect there
>are many more like me...

You've spelled it right. What newsreader are you using? The ability to kill articles cross-posted to a certain group is a hallowed feature on most major newsreaders.

In rn, according to Leanne Phillips in her rn kill-file FAQ, add a line of the form:

```
/Newsgroups:.*[ ,]rec\.radio\.info/h:j
```

either in News/KILL (if you don't want to see rec.radio.info articles anywhere) or News/rec/radio/amateur/misc/KILL (if you don't want to see them in rec.radio.amateur.misc). The latter method means your kill file will only be consulted during rec.radio.amateur.misc (and hence runs more efficiently), and will probably work for most people.

In nn, according to Bill Wohler in his nn FAQ, add a line of the form:

rec.radio.info:!s/:^

in .nn/kill (if you don't want to see rec.radio.info articles anywhere),
or put the following lines:

```
sequence
rec.radio.info
rec.radio.
```

at the end of .nn/init in order to see all the rec.radio.info bulletins
first, then read rec.radio.amateur.misc without the bulletins.

Personally, I read rec.radio.info, and use the sequence technique with:

```
rec.radio.info:!n:Cary Oler
```

in my .nn/kill file (nothing personal Cary, just not interested in Solar
Reports :-).

I'd certainly be willing to work with anyone who wants to set up such a
scheme to customize their presentation of the rec.radio.* groups,
even if they are using a reader other than nn or rn (rec.radio.* groups
only, please, I don't have time to give kill-file help to the entire
net).

73, Paul W. Schleck, KD3FU

pschleck@unomaha.edu

End of Info-Hams Digest V93 #438
